

## Patent claims

1. Control electronics (9) integrated in a brake, preferably a disc brake, in particular for commercial  
5 vehicles, with the disc brake having a brake caliper (1), which extends over a brake disc (3), and a pneumatic or electric motor-operated brake application device (6) which is arranged in the brake caliper (1) and serves to apply the brake, and the control  
10 electronics (9) which serve to monitor brake-specific parameters and control brake components being connected to a power supply, characterized in that at least one transceiver unit (9b) is provided in the control electronics (9) and is operatively connected to at  
15 least one sensor which does not belong to the brake and is part of or close to the wheel.

2. The control electronics as claimed in claim 1 or 2, characterized in that this sensor is provided with  
20 its own power supply, preferably a battery.

3. The control electronics as claimed in either of the preceding claims, characterized in that the transceiver unit (9b) and the sensor can be operated by  
25 means of a telemetry system which is known per se.

4. The control electronics as claimed in one of the preceding claims, characterized in that each sensor has an associated transceiver unit (9b) in the control  
30 electronics (9).

5. The control electronics as claimed in one of the preceding claims, characterized in that all of the sensors which are part of or close to the wheel are  
35 operatively connected to a single transceiver unit (9b).

6. The control electronics as claimed in one of the

preceding claims, characterized in that signals emitted by the individual sensors are addressed or coded so that they can be distinguished by the transceiver unit (9b).

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7. The control electronics as claimed in one of the preceding claims, characterized in that the at least one transceiver unit (9b) is mounted on a printed circuit board (9a) of the existing control electronics of the brake.

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8. The control electronics as claimed in one of the preceding claims, characterized in that the at least one transceiver unit (9b) is positioned in such a way that the sensor signals can be received without interference.

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